

Name: _____ Obj : _____

Teacher: _____

Algebra Pd: _____

Lesson 3.10

Day _____ Month _____ Year _____

Do Now:

1. Simplify each expression completely:

a. $-4(x^3)(y^{-9})$	b. $-3gh^2(2g^2h^3 - 5g^2h^9)$
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2. The number of yellow jackets in a forest is decreasing by 3.25% annually. There are currently 1,789 yellow jackets in a forest.

a. Write the general exponential decay formula. _____

b. Write the exponential decay formula for THIS situation.

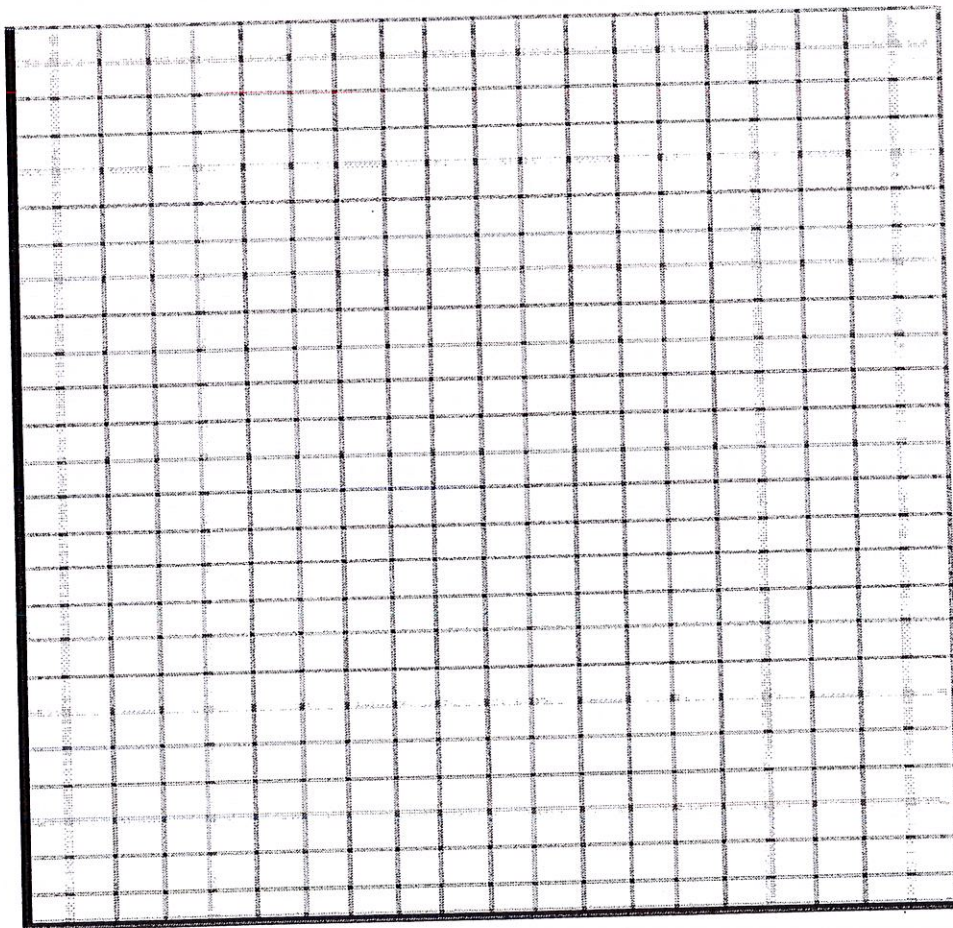
c. Fill in the table of values to show how many yellow jackets there will be after 0 years, 1 year and 4 years.

Show your substitution work below:

x	0	1	4
y			

TURN PAPER OVER!

Graph the situation. Be sure to label your axes.



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